(b) The repair works required in the quarters are being carried out by CPWD regulary, subject to the availability of funds.

(c) and (d) Complaints received on day-to-day basis are attended to by the CPWD regularly. However major complaints inolving additions/alterations are attended to, depending upon the availablity of funds.

(e) No Sir.

(f) Does not arise in view to repiy to part (e) above.

Sea erosion in Orissa

1722. SHRI RAHASBIHARI BARIK: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government are aware of the growing sea erosion in Orissa;

(b) if so, the estimated annual damage caused to land by sea erosion in that State; and

(c) the details of the steps taken to check the growing sea erosion?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON): (a) and (b) As reported by the State Government, the Orissa Coast is experiencing erosion in some reaches confined mostly to the areas north of Paradeep Port, Hukitola Island. The erosion is also experienced at Gopalpur Chilka lake mouth Kushabhadra river mouth, Jatadhor Mohana and Panta Satabhaya region. Extent of land damaged has not been reported and compiled at the Centre.

(c) The protection against Coastal erosion is the responsibility of the State Government. A number of steps by way of construction of anti-sea-erosion works like sea walls revetments have been undertaken by the Government of Orissa to check erosion of the Coast.

Pilot Project for Solar Energy based irrigation and water supply

1723. SHRI BHAGABAN MAJHI: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government had a proposal to take up a pilot project for solar energy based minor irrigation and water supply in rural areas of Orissa and Andhra Pradesh;

(b) if so, the details of that pilot project;

(c) wheher it is being launched in collaboration with France; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON): (a) and (b) A 'Pilot Project for Solar Energy based Minor Irrigation and Water Supply in Rural Areas' under the Indo-French Co-operation Programme on Water Resources Management has been proposed for installation of 50 numbers of Solar Pump in Anantapur or Chittoor district of Andhra Pradesh; Kalahandi and Keonjhar districts in Orissa; Gumla or Ranchi district in Bihar and Raipur district in Madhya Pradesh for implementation during the 8th Five Year Plan.

(c) and (d) Yes, Sir. The estimated cost of the project is Rs. 5.46 crores; out of which France is providing a loan of French Francs 3.8 million and a grant of French Francs 2.0 million (Total equivalent to Rs. 2.96 crores).

Flood prone rivers and areas

1724. SHRI AAS MOHAMMAD:
SHRI ISH DUTT YADAV:

Will the Minister of WATER RESOURCES be pleased to state:

(a) the details and names of the flood prone rivers and areas in the country;

(b) the assessment made by Government to contain the floods from these rivers in each State; and

(c) the details of proposals undertaken by the States and the Central Government in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON): (a) The major flood prone rivers in the country are the rivers of Ganga and the Brahmaputra Basins, the Sutlej, the Beas, the Ravi, the Chenab, the Jhelum, the Ghaggar in Indus Basin, the Narmada, the Tapi, the Subernarekha and the rivers of the Mahanadi basin as well as the Godavari and the Krishna. Rashtriya Barh Ayog has assessed an area of 40 million hectares as flood prone in the country. The statewise details are enclosed as Statement-I (See below)

(b) and (c) Investigations, planning and execution of flood control schemes are primarily responsibilities of the State Governments. The Centre renders assistance in work that are technical, catalytical and promotional in nature. The Rashtriya Barh Ayog (1976-80) set up by the Central Government for identifying measures to check floods and their better management gave 207 recommendations. The report of Rashtriya Barh Ayog has been forwarded to all State Governments for necessary action. An area of 14.08 million hectares has been provided reasonable degree of protection from floods by construction of embankments, drainage channels, town protection works and raising of villages. The statewise break up of these achievements is given in Statement-II.

Statement-I

Area Liable to flood in India

(Lakhha.)

Sl. No.	State	Area liable to floods
1.	Andhra Pradesh	13.9
2.	Assam	31.5
3.	Bihar	42.6
4.	Delhi	0.5
5.	Gujarat	13.9
6.	Haryana	23.5
7.	Himachal Pradesh	2.3
8.	Jammu & Kashmir	0.8
9.	Kanataka	0.2
10.	Kerala	8.7
11.	Madhya Pradesh	2.6
12.	Maharashtra	2.3
13.	Manipur	0.8
14.	Meghalaya	0.2
15.	Orissa	14.0
16.	Punjab	37.0

Sl. No.	State	Area liable to floods
17.	Rajasthan	32.6
18.	Tamilnadu	4.5
19.	Tripura	3.3
20.	Uttar Pradesh	73.36
21.	West Bengal	26.5
22.	Pondicherry	0.1
	TOTAL:	335.16

Say: 34 million hectares.

Statement-II

Progress of Physical Works Under Flood Management Programme Completed (Upto March 1991).

Sl. No.	Name of the State/U.T.	Length of Embankment	Length of Drainage Channels	Towns Protected	Villages raised	Area Benefited
		Kms.	Kms.	Nos.	Nos.	(M.Ha.)
1	2	3	4	5	6	7
1.	Andhra Pradesh	557	13569	43	21	1.0103
2.	Arunachal Pradesh	2	..	..	..	..
3.	Assam	4544	948	60	..	1.6369
4.	Bihar	2788	365	47	..	1.8890
5.	Goa	10	12	4	6	0.0001
6.	Gujarat	952	271	229	30	0.4410
7.	Haryana	662	3922	180	90	1.7300
8.	Himachal Pradesh	58	11	..	..	0.0120
9.	Jammu & Kashmir	80	14	9	5	0.1834
10.	Karnataka	..	..	..	..	0.0022
11.	Kerala	110	25	4	6	0.0518
12.	Madhya Pradesh	19	..	35	..	0.0030
13.	Maharashtra	26	..	26	..	0.0010
14.	Manipur	300	76	1	1	0.0900
15.	Meghalaya	112	..	8	2	0.0896
16.	Mizoram	1	1	..	..	..
17.	Nagaland	..	..	..	..	..
18.	Orissa	1064	120	13	29	0.4750

1	2	3	4	5	6	7
19.	Punjab	1076	6615	3	..	2.6750
20.	Rajasthan	145	197	25	..	0.0816
21.	Sikkim	..	..	6	..	0.0002
22.	Tamilnadu	87	19	46	4	0.1170
23.	Tripura	124	94	10	..	0.0300
24.	Uttar Pradesh	1811	3593	64	4511	1.4870
25.	West Bengal	1092	1554	44	..	1.9870
26.	A&N Island	..	..	..	..	..
27.	Chandigarh	..	..	..	..	..
28.	D and N Haveli	..	..	..	..	..
29.	Daman and Diu	..	..	..	..	..
30.	Delhi	83	453	..	..	0.0780
31.	Lakshadweep	..	..	..	..	..
32.	Pondicherry	61	20	..	..	0.0093
	TOTAL	15764	31888	857	4705	14.0804

Total Flood Prone Area in the country :

(a) Flood Prone area in States	34.0 million ha.
(b) Area protected in States till then	10.0 million ha.
Total	44.0 million ha.
Area flooded due to failure of protection works which might have been included in reported flooded area (Assumed)	(—) 4.00 million ha.
Total Flood Prone area in the country	40.0 million ha.

Polavaram Project

1725. SHRI YERRA NARAYANASWAMY: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether any decision on the Polavaram Project across river Godaveri is expected shortly:

(b) what are the details and data that are still required from the Government of Andhra Pradesh;

(c) whether Polavaram Project is likely to be cleared for implementation in the Ninth Plan; and

(d) if not, the reasons therefor:

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON): (a) and (b) While hydrological studies of Polavaram Project have been finalised in Central Water Commission *in* consultation with the engineers of